Massachusetts Agricultural College and Hatch Experiment Station

Records
of
Committee Meetings
of the
Board of Trustees.

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Meeting of the Committee on Experiment Department, held at the Auburn House, Friday evening, March 24th. 1905.

There were present Mess. Draper, Ellsworth, Bowker and Preston.

The heads of all the departments of the Hatch Experiment Station, viz:— Drs. Goessman, Lindsay, Stone, H. T. Fernald and Brooks, and Profs. Ostrander and Waugh were present and each presented a statement concerning the work of his department and plans for future work. After the retirement of the heads of departments the following appropriations were voted for the year ending June 30th. 1905:—

Agricultural Department	$915
Botanical "	600
Chemical Dept., Fertilizer Division	1308
" " Foods & Feeding "	142
Entomological Department	48
Horticultural "	72
Meteorological "	200
Expense Account	122

There was also voted a special allowance for the Horticultural Department of $150. which sum is to be drawn from the Expense Account funds.

Wm. P. Brooks, Clerk.

Meeting of the Committee on Farm and Horticulture, Farm Division: held in Botanic Museum, Amherst, Saturday, March 25th, 1905.

Present Mess. Ellis and Brooksch also Mr. Draper and Hence of the Horticultural Division. Prof. Brooks and Mr. Forristall presented plans for the coming year which were approved.

The following purchases were authorized by vote: 2 disc harrows, 1 spring tooth harrow, 1 trucker's cart, 2 Syracuse cultivators, 1 spike-tooth cultivator, 4 Berkshire sows, 1 Berkshire boar, 1 Yorkshire boar and 1 pr. Work horses. It was voted to sell the horse known as Jumbo.

The purchase of fertilizer to an amount not exceeding $750. was authorized by

vote.

Wm. P. Brooks, Clerk.

Meeting of Committee on Course of Study and Faculty, held at the Exchange Club, Boston, Friday, March 31, 1905.

Present Mesp. Wheeler, Bowen, Dickinson, Ha Ellis and Brooks. Prof. C. S. Walker was present as the guest of the committee, and a conference was held in reference to plans for the future conduct of the work in his department of the College. A committee consisting of Mesp. Wheeler, Bow and Dickinson was elected to make plan for carrying on the work of the Department of Political Science during the colle year, 1905–6. It was voted to refer the question as to the revision of the course in Mathematics to the Faculty.

Wm. P. Brooks, Clerk

Meeting of Committee on New Buildings & Arrangement of Grounds, Boston, May 20, 1905. Present Mess Draper, Wm. Wheeler, Dickinson, Bowditch and Butterfield. Prof. Waugh. The passage of amended resolve X was announced and after discussion it was voted: that the Com. on New Bldgs & be advertise for bids on the Horticultural Bldg. in the Boston Herald, Springfield Republican, Worcester Telegram and a Building Journal to be selected by the Chairman. Voted that the architect be employed to revise plans and specifications in view of the proposed introduction of heat from the central station. Voted that proposals from contractors be submitted to James Draper and that the details of instructions to contractors and the making of a contract be left to said James Draper. Voted that Prof. Waugh inform the architect for revision of plans and specifications at the earliest possible moment. Voted that the Committee adjourn to meet at the Botanic Museum in Amherst on Saturday, May 27th. at 9 A. M.

Wm. P. Brooks, Clerk.

In the Year One Thousand Nine Hundred and Five.

X RESOLVE

To provide for Certain Additions and Improvements at the Massachusetts Agricultural College.

Meeting of Committee on Course of Study and Faculty held at the University Club, Boston, May 24th. 1905.

Present Messrs. Wheeler, Bowker, Howe, Ellis, Dickinson and Brooks. The fact that the War Department has issued an order affecting the amount of time which must be provided for military instr in the College, and reducing the minimum requirement to three hours p week for two years or the equivalent th of work reported. After discussion it was voted that the recommendation of the Faculty touching the question of chan in the amount of drill required of stu dents is desired; but that it is the sense of this committee that drill should, to some extent at least, be co tinued during the four years of the Col course.

The letter from Dr. C. S. Walker addressed to the chairman of the committee und date March 27th. 1905, and asking for a

RESOLVE

To provide for Certain Additions and Improvements at the Massachusetts Agricultural College.

Resolved, That there be allowed and paid out of the treasury of the Commonwealth a sum not exceeding fifty-two thousand six hundred and fifty dollars, to be expended at the Massachusetts agricultural college, under the direction of the board of trustees, for the following purposes, to wit: — Thirty-nine thousand nine hundred and fifty dollars for erecting, heating and equipping a building for the use of the horticultural department; three thousand two hundred dollars for the enlargement the laboratory and a new plant house for the entomological department; eight thousand five hundred dollars for the extension of the central heating system to the east experiment station, to the proposed horticultural building and to the botanic museum; and one thousand dollars for painting and repairing the dairy building, barns and stable.

Meeting of Committee on Course of Study and Faculty held at the University Club, Boston, May 24th. 1904.

Present Messrs. Wheeler, Bowker, Howe, Ellis, Dickinson and Brooks. The fact that the War Department has issued an order affecting the amount of time which must be provided for military instr in the College, and reducing the minimum requirement to three hours p week for two years or the equivalent th of work reported. After discussion it wa voted that the recommendation of the Faculty touching the question of chan in the amount of drill required of stu dents is desired; but that it is the sense of this committee that drill should, to some extent at least, be co tinued during the four years of the Colle course.

The letter from Dr. C. S. Walker addressed to the chairman of the committee und date March 27th. 1904, and asking for a

Sabbatical year was considered; and after discussion it was voted that the Committee recommend to the full Board of Trustees that Dr. Walker's request for a Sabbatical year to begin July 1st. 1904 be granted, with the understanding that the Trustees will provide for carrying on his work during his absence and that the question of compensation if any to him during this year be referred to the full Board.

After discussion of one or two men as possible candidates for the position which will be made vacant by Dr. Walker's absence it was voted that the recommendation of a candidate for the position be left with Messrs Wheeler and Bowker.

Prof. Brooks explained why in his opinion it is desirable to employ experts for giving instruction in practical dairy operations to the Seniors during Nov. and Dec., which would leave the entire time of such experts available for work with Short Course men during Jan., Feb., and March, thus making

it possible to admit a larger numbe
for instruction in two divisions. It was vote
that this recommendation be approved
sanctioned by the Finance Committee.

Voted to extend an invitation through Mr
Wheeler to Lt. Gov. Guild to attend Comm
ment and to confer the degrees upon the me
ber of the graduating class, and that if he de
not come the degrees be conferred by the Act
President.

The Committee expressed itself as in fa
of the usual reception in the Chapel o
Tuesday evening, June 20th.

~~Voted to~~ recommend that the new
Horticultural building be named Wilde
Hall.

Voted to adjourn.

Wm. P. Brooks, Clerk.

Meeting of Committee on New Buildings and Arrangements of Grounds, Amherst, May 27th. 1905. Present Mess. Draper, Wm. Wheeler and Fowler: Also Profs. Waugh and Ostrander and Mr. Wallace. The location of the new Horticultural Building was considered and decided upon, and the lines to be followed by the extension of the pipes of the Central Heating System were gone over and approximately established. The location of a spur track from the Amherst & Sunderland Electric Street Railroad to the Central Heating and Lighting Station was also considered. It was understood that adjournment was to June 10. at which time Bids on the new Hort. Bldg. would be opened in Boston

Wm. P. Brooks, Clerk.

Meeting of Committee on New Buildings and Arrangement of Grounds, Worcester, June 10th. 1904. Present, James Draper, M. F. Dickinson, N. T. Bowditch and W. R. Brooks. The following sealed bids on the Horticultural Building each accompanied by the required check were received and opened

Party Making Bid	Place of Business	Amount of
Mason & Co.	Burlington, Vt.	$26990.
D. W. Blodgett & Geo. E. Bonnett	Dunbert, Mass	24482
Chas. E. Paige	Rutland, Vt.	28750
J. J. Prindiville	Framingham, Mass.	24781
Angus McDonald	Boston, Mass.	29861

It was voted that James Draper, chairman of this committee be and he hereby is authorized in behalf of the Trustees of the Massachusetts Agricultural College to accept the bid of Mess. Blodgett and Bonnett, viz: $24 for the erection of a Horticultural Building in accordance with the specifications of W. R. B. Wilcox provided they agree to finish the building on or before Jan. 1 1906, and to forfeit at the rate of $10

per day for each day required to complete the building beyond that date: and that he be further authorized to agree with the contractor that if they will deliver the completed building to the Trustees on or before Jan. 1, 1906 the Trustees will pay the contractor the additional sum of $418. making the total payment in that case the sum of $26000. It was also voted to require the contractor to furnish a bond from a Surety Co. for the sum of $7500.

Wm. P. Brooks

Clerk.

THE CORPORATION.

		TERM EXPIRES
	WILLIAM R. SESSIONS of Springfield,	1905
	~~CHARLES L. FLINT~~ of Brookline,	1905
	WILLIAM H. BOWKER of Boston,	1906
	GEORGE H. ELLIS of Boston,	1906
	J. HOWE DEMOND of Northampton,	1907
	ELMER D. HOWE of Marlborough,	1907
	NATHANIEL I. BOWDITCH of Framingham,	1908
	WILLIAM WHEELER of Concord,	1908
	~~ELIJAH W. WOOD~~ of West Newton,	1909
	CHARLES A. GLEASON of New Braintree,	1909
	JAMES DRAPER of Worcester,	1910
	~~SAMUEL C. DAMON~~ of Lancaster,	1910
	MERRITT I. WHEELER of Great Barrington,	1911
	CHARLES H. PRESTON of Danvers,	1911

Members ex Officio.

His Excellency Governor JOHN L. BATES,
President of the Corporation.

HENRY H. GOODELL, *President of the College.*

GEORGE H. MARTIN, *Secretary of the Board of Education.*

J. LEWIS ELLSWORTH, *Secretary of the Board of Agriculture.*

WILLIAM R. SESSIONS of Springfield,
Vice-President of the Corporation.

J. LEWIS ELLSWORTH of Worcester, *Secretary.*

GEORGE F. MILLS of Amherst, *Treasurer.*

CHARLES A. GLEASON of New Braintree, *Auditor.*

Meeting of the Committee on Course of Study and Faculty held in Amherst, June 20, 1904.

There were present: Mess. Wheeler, Brooks, Ellis, Cowe, Dickinson and Brooks.

Acting Pres. Brooks recommended the following increases in salaries:-

Assoc. Prof. R. L. Bull	$300.	per year
" Assoc. Prof. P. B. Marbronck	300.	" "
" Assistant Prof. S. F. Howard	200	" "

There was some discussion after which it was voted that these increases be recommended to the Full Board of Trustees.

Act. Pres. Brooks reported names of military officers who would like to succeed Major Anderson as Military Instructor in the College and after discussion it was voted to authorize him to endeavor to secure the detail of Major Walter Bridgman. *

Adjourned, Wm. P. Brooks, Clerk

* The employment of Albert V. Osmun as Instructor in Botany in place of Mr. Franklin was discussed and it was voted to recommend at a salary of $800. per year.

Meeting of Committee on Farm, Amherst, June 20th. 1904. There were present - Mesp. Sessions, Ellis, Bracken and Brooks.

Acting Pres. Brooks submitted bids on painting the Farm Barn and Stable as follows:-

A. G. Sanderson, Amherst

Work	$450.
Materials	225

Powell & Co, Amherst

Work	$508.
Material	190.

C. H. Hawley, Amherst

Work	400.
Material	290.

C. H. Dennis, Spencer

Work	709.
Material	280.

W. J. Harris, Amherst

Work	400.
Materials	217.

Quotations on White lead and Linseed Oil from various parties were presented and it was voted to purchase as

terials of the National Bread Co. Berlin and to give the contract for doing the work to C. H. Hanley.

After discussion it was voted to breed the French Coach mares to the Stallion owned by the State Agricultural College, Storrs, Conn. if satisfactory terms can be secured.

Wm. P. Brooks, Clerk.

Meeting of Committee on Experiment Department, Auburn, June 20, 1905.

Present: Mess. Draper, Ellsworth, Bowker, Dawson, Preston and Brooks. The following appropriations for the quarter, July 1 to Oct. 1. 1905 were voted:—

Agricultural Division		$1100.
Botanical	"	795.
Chemical Dept.	Fertilizer Division	1308.
"	" Foods & Feeding "	1425.
Entomological Division		487.50
Horticultural	"	875.
Meteorological	"	200.
Spurge Account		1225.

There was also voted to the Botanical Division $200. for work in Soil Bacteriology and to the Meteorological Division for additional equipment the sum of $100.

Wm. P. Brooks, Clerk.

Meeting of Committee on New Buildings and Arrangement of Grounds, Amherst, July 20, 1904: Quotations on Steam Pipe, Drain Tile, Cement &c were presented by N. Wallace, and it was voted to buy Steam Pipe and Fittings of Raymond Dowe & Co. of Boston and Drain Tile and Cement of C. K. Eaton of Amherst. Above action reported by James L. Tyler, Chairman pro tem.

Wm. P. Brooks, Clerk

Meeting of Committee on Course of Study and Faculty, Boston, July 27th. 1904.

Present Wheeler, Barker, Ellis, Dickinson and Brooker. After statements by Acting Pres. Brooker the following votes were passed:

1. That if on further investigation his selection is approved by Acting Pres. Barker, he be authorized to ask for the detail of Capt. George E. Martin, 18th. U. S. Infantry as Military Instructor at the College.

2. That Acting Pres. Barker be authorized to employ Dr. Gallinger of Amherst College to give instruction in history to the Freshman class during the next ensuing semester at a rate of compensation not to exceed $15. per week.

That provision for conducting morning chapel exercises in College be left to the Acting President.

Chairman then read a letter from Prof. Waugh in relation to procuring an instructor to succeed Mr. Geo. O. Green in the Horticultural Department; and it was voted that

the matter be referred to the Acting President with the understanding that he will report the name of the person selected for the approval of the Committee. The meeting then adjourned to the Exchange club and after an informal discussion of various College matters adjourned sine die

Wm. P. Brooks, Clerk

Meeting of Committee on Experiment Department, Amherst, Sept. 29, 1905

Present Messrs. Draper, J. Lewis Ellsworth, Wm. H. Bowker, Charles H. Preston, Samuel C. Damon and Wm. P. Brooks. Dr. Geo. E. Stone came before the Committee and stated the position of the leading asparagus growers of Concord and vicinity who he understood were prepared to go the Legislature for an appropriation to be used in experimental means of preventing or controlling asparagus rust. He desired to know the attitude the station should take in regard to this movement. The decision

the committee after some general discussion was that the station should cooperate in the movement and in the experiments in all possible ways.

Prof. Brooks then presented a report showing the financial condition of the station and the several departments thereof and recommended the following appropriations for the next ensuing quarter which were voted:—

Appropriation for quarter ending Dec. 31, 1905.

Agricultural Division		$1100.
Botanical		795.
Chemical, Fertilizer Division		1308.
" Foods & Feeding	"	1425.
Entomological	"	487.50
Meteorological	"	200.00
Expense Account		1200.00
Special for Hend, F. & F. Division		100.00

It was voted to publish an edition of 1000. of Dr. Goessmann's bulletin: Index to State Exp. Station Reports.

Adjourned

Wm. P. Brooks, Clerk.

Meeting of Committee on New Building and Arrangement of Grounds, Amherst, Sep 29th. & 30th. 1905.

Present – Mssrs Draper, M. F. Dickinson, S. C. Damon and Prof. Brooks. The following members of the Committee on Appr. dept. were also present; Ellsworth, Bowker & Preston; and Dr. Stone was invited to discuss the need and plans for a building for the Department of Botany & Vegetable Pathology. At the meeting of the Committee at the Amherst House, Fri. evening it was voted to have Dr. Stone consult an architect and have plans and estimates for an entirely new building prepared. On the grounds, Sat. morning Sep. it was decided to prepare plans for the new structure to stand south of the Stockbridge House with the needed hot-house structures on east side of the road in connection with Commercial hot houses for the Dept. of Horticulture.

On the grounds Sat. morning it was voted after statements by Prof. Waugh and general discussion that we should have plans pre

prepared for Sales & Women rooms in a brick structure and hot houses in steel and glass commercial structure for the work of the Hort. Department, said buildings to stand east of the road leading from Hawley and Nurse Plant House.

It was voted after discussion that the Acting President get plans and estimates for the extension of the trolley line to the roof of the coal pocket of the Heating & Lighting Plant.

Adjourned

Wm. S. Brooks, Clerk.

Meeting of Committee on Course of Study Faculty, Boston, Oct. 19. 1905. Present Mayor Mullen, Brooks, Ellis, Dickinson, Howe & Brooks. Various letters to and from Pres. Lewis R. Butterfield in reference to the Presidency of the Massachusetts Agl College were read and discussed and it was decided to ask for an early personal interview with Mr. Butterfield.

Prof. Brooks reported the following action

in relation to college management and c
acts as below specified were approved by
vote of the Committee: —

1. That to provide for the instruction of a
the number of the freshman class w
boting it had been divided into three s
tions and Mr. H. J. Franklin employed
a salary of $1400. for the semester to take
work with one section.

2. That the sophomore class had been div
into two sections in Agriculture and Ho
man, the number of hours being reduced fro
four to three per week.

3. That in arranging for college work on the
part of station employees the principle
been recognized that as teaching is mo
exacting than the usual work of a sta
assistant it is but fair to increase
salary paid on a basis fair to both
college & station as to the total sum
be paid by each —

4. That Prof. Gullinger had been employed
to teach history for the year at a sala

of $250. per semester.

That Mr. George N. Holcomb had been employed to teach economics and constitutional history for a year at a salary of $1200.

That the committee on discipline of the faculty had been abolished and two new faculty committees: library and student-relations had been appointed and authority given to appoint an advisory committee on discipline.

That the question as to whether the College purchase and circulate insignia as an advertisement be left with the Acting President.

Adjourned

Wm. P. Brooks, Clerk.

Meeting of Committee on Course of Study and Faculty, Boston, Oct. 25. 1904.

Present Mess. Wheeler, Brooks, Howe, Dickinson and Brooks; and as a guest Mr. Kenyon L. Butterfield. A long discussion as to the policy best for the Massachusetts Agl College in the development of its work and courses of study was held. This was participated in

in an informal manner by all an
after a full interchange of views the me
ing was adjourned,

Wm. P. Burke, Clerk.

Meeting of Farm Committee, Durham, Nov. 17th
Present - Mess. Draper, Sessions, Brookdale, Ellis, Howe a
Ellsworth and Mr. Burke. Discussion of situation caused by fire
destroyed the large barn and dairy building.
Voted: 1. To keep 16 of the best cows.

2. To authorize Farm Management to put
the West, Exp. Station Barn for the accommoda
tion of the Farm Stock retained.

3. To sell cattle other than the 16 to be re
turned at public auction on Sat. Nov. 2
4. To authorize the Superintendent to pu
temporary shelter for the pigs
5. That a Sub committee of three, Burke,
Brookdale & Ellis, take steps to consider and
procure plans for new buildings in plac
of those burned,
6. Voted to recommend to the Finance Comm
tee that the Farm Management be authorized
use such share of the insurance money be

ived on the buildings destroyed as may
e necessary to fit up for stock and to pro-
ure such machinery and implements as are
equired for use previous to the action of the
Legislature. Adjourned

Wm. P. Brooks, Clerk.

Meeting of the Committee on Course of Study
nd Faculty, Boston, Nov. 24th, 1909.
Present, Wheeler, Wheeler, Brooks, Ellis, Howe
and Prof Brooks. After statements as to situ-
ation created by the fire and regarding the
possibilities, from Prof. Brooks it was so-
lled: that the short-dairy course as adver-
tised should be given - and to recommend to
the Finance Committee the appropriation
f $2000. for fitting up room and for
quipment and the further appropriation
f $1000. to carry on the Course.
was also voted that it is the sense of
this Committee that board apparatus should
be paid for out of insurance money re-
ceived and state appropriation.
The question of withdrawing the offer of the

two year course in horticulture for wom
en was discussed and the matter tabled.

After consideration of letter from Pres. Butterfi
voted: to recommend to the full Board of
Trustees the election at its annual meeti
in January of Pres. Kenyon L. Butterfield to t
position of President of the Massachusetts Ag
cultural College made vacant by the death
President Henry H. Goodell, it being understo
that Pres. Butterfield will assume the duties
the office on July 1st., 1906.

Adjourned, Wm. P. Brooks, Clerk.

Charles E. Gleason, Chairman, Finance Committe
by letter dated approved the ne
of insurance money as recommended by t
Committee on Farm and Horticultural Depart
ment and Course of Study and Faculty

W. P. B.

Meeting of Committee on New Buildings and Arrangement of Grounds, Worcester, Dec. 15. 1905.

Present, Messrs. Draper, Brookfield, Howe, Boutwell (by invitation) & Brooks. Profs. Stone and Waugh were present.

Prof. Stone presented tentative plans for a building for his department (Botany). These were discussed and Dr. Stone was authorized by vote to employ Messrs. Cooper & Bailey of Boston to prepare plans.

It was voted that it is the sense of the committee is in favor of fire proof construction.

Voted to authorize the construction by use of insurance money in so far as may be necessary of a temporary building for cleaning bricks &c. on the side of old ice-house, boiler room &c.

Plans for a hot-house the cost of which had been estimated at about $12000. were presented by Prof. Waugh. Voted that it is sense of committee that Prof. Waugh consult Mr. W. W. Rawson in regard to suitable plans.

The plans for furnishing Wilder Hall and estimates of cost were presented in detail by Prof. Waugh and it was voted to authorize Profs. Brooks and Waugh to purchase in accordance with these

plum, total not to exceed $170.

Voted that Prof. Waugh in consultation with Mr. Wallace be authorized to arrange for and procure black boards, electric lights &c.

Wm. P. Brooks, Secretary.

Meeting of Committee on the Experiment Department, Worcester, Dec. 5, 1905.

Present Messrs. Draper, Bowker, Preston, Ellsworth and Butler. Prof. Brooks presented a report covering receipts and expenditures of the Hatch Exper. Station from July 1 to Nov. 30th, 1905. The appropriations for the quarter Jan 1 to March 31st, 1906 were then voted as follows:—

Division	
Agricultural	$1100.
Botanical	795.
Chemical — Fertilizer	1308.
" — Food & Feeding	1425.
Entomological	487.50
Meteorological	200.00
Expense Account	1200.00
Total	$6515.50

Wm. P. Brooks, Secretary.

Meeting of Finance Committee, Springfield, Dec. 30th. 1905

Present Messrs Gleason, Demond, Preston, Pollard and Brewer. Prof. Mills, Treas. presented his report which was considered in detail.

Voted to withdraw from Amherst Savings Bank so much of the money on deposit there as may be necessary to purchase five (5) bonds of the N. Y. C. & H. R. or Lake Shore R. R.

Voted to withdraw $15000. from the First National Bank of Amherst and to deposit the same in some bank in Springfield.

Voted to recommend to the full board of trustees the adoption of the following budget:—

Budget.

For six months ending June 30, 1906.

Probable Income.		Estimated Expenses.	
Bills Receivable	$2,682.41	Bills Payable	$ 1,743.47
Maintenance	2,500.	Salaries	17,245.63
Scholarship	7,500.	Farm	1,250.
Instruction	6 500.	Horticultural	1,250.
Rents	1,000.	Expense: Labor	200.
Endowment	5,000.	Expense: Incidentals	1,000.
		Expense: Apparatus	500.
		Expense: Water	600.

Budget

For six months ending June 30, 1906. (Cont.)

Probable Income.		Estimated Expenses.		
Heating & Lighting	$1,000.			
Heating & Lighting App.	250.	Heating & Lighting	Labor	$1,2
			Equipment	1
			Incidentals	2
Dining Hall App.	250.		Fuel	2,0
Cash on hand Dec. 21, 1905	22,413.62	Advertising		5
	$49,396.03	Dairy School		1,0
Insurance	17,195.11	Library		7
	$31,900.92	Commencement		3
			$29,839.10	
Amendment, voted by Trustees,		Lectures		25
				$30,0

Wm. P. Brooks, Sec'y

Meeting of Committee on Buildings, Amherst, June 14th. 1906. Present Mess. Draper, Wheeler, Bowd and Brooks. After looking over Wilder Hall and conv tion with Prof. Waugh and Mr. Wilcox, the architect, it was voted:- to accept the horticultural building (Wilder Hall) from the contractors Mess. Blodgett and B worth in accordance with the terms of the cont with the proviso that the several minor matt to which their attention has been called shall be pleted before the final payment shall be made.

Adjourned, Wm. P. Brooks, Sec'y

Meeting of Farm Committee, Boston, Jan. 19, 1906.
Present, Brodrick, Draper, Howe, Ellsworth and Brooks.
Mr. Burnett and Hopkins presented plans for new Barn, Stables, Sheep Barn, Piggery and Farm Dairy. These were carefully examined and criticised and estimates of cost were presented. These totalled $75000. As there will remain some $12000. of insurance money after getting emergency accommodation for stock, fitting and equipping rooms for dairy instruction and purchasing new vehicles, machines and implements for farm use it was voted to recommend to the full Board of Trustees that the College ask the legislature to appropriate for the above named new buildings and their equipment the amount of $63000., the stables and dairy to be of fireproof construction.

Wm. O. Brooks, Secy

Meeting of Committee on the Experiment Department, Boston, Jan. 19, 1906.

Present, Preston, Bowker, Draper, Ellsworth and Brooks. Letter from representative minimum

of the Cape Cod Cranberry Growers' Assn. and
from Dr. H. T. Fernald in relation to provisi
by the station of means for the study of inse
injurious to the cranberry were presented a
considered, and it was voted to appropri
ate $200. for an investigation and study o
the habits of such insects by Mr. H. J. Franklin
accordance with the suggestions set forth i
the letter of Dr. Fernald in relation thereto.

A letter addressed to the Board of Control
the Hatch Experiment Station by a committee c
sisting of C. W. Prescott, Frank Wheeler and Thos
Hoeks representing the asparagus growers
Concord and vicinity was presented and
the gentlemen above named came before th
Committee for conference, and after discuss
in which Dr. Geo. E. Stone who was also prese
participated it was voted to appoint a
committee to consist of the Acting Director and Dr. Sto
to co-operate with the asparagus grow
in investigating questions affecting asparagus
growing, and in conducting experiments with th
crop: said Committee and a representati

of the asparagus growers to go to Washington to endeavor to enlist the co-operation of the U. S. Dept. of Agriculture and to take any action in relation to arrangements therein which seems best.

After some discussion in relation to the directorship of the station it was voted:-

That this Committee recommend to the Board of Trustees.

1) The separation of the administrative duties of the presidency of the college and the directorship of the station and the election of a director of the latter. The Experiment Station shall be regarded in all respects as a department of the college and the Director shall be responsible to the President.

2) The Director shall be ex officio a member of the Committee on Experiment Department of the Board of Trustees.

That without binding either Board of Trustees, President or Director to acceptance of all details it is understood that in general the responsibilities and duties of the Director shall

be as set forth by Dr. A. C. True in a letter to Hon. A. F. Sharp of Colorado as published by the Director of the Office of Experiment Stations in the report for 1903, pp. 273 and 274.

Wm. P. Brooks, Secy

Meeting, Committee on Course of Study and Faculty, Boston, March 10. 1906

There were present Mess. Wheeler, Boutwell, Howe, Wright and Brooks and by invitation President elect Butterfield.

After reading of a letter from Prof. Waugh and discussion it was voted that the Acting President and Prof. Waugh be made a committee and authorized to make arrangements for a to hold a Short Garden Institute for teachers in Boston with power to employ such assistance as considered desirable.

Voted to recommend to the full board of trustees that Mr. George N. Kolcomb be employed for the next college year to teach history as well as the subjects he now teaches and at a salary of $1500. for the year. Voted to ac

ge the change in arms which the War De-
partment is now ready to carry out, viz:
from the old Springfield to the U. S. Magazine
rifle, cal. 30, model 1898 with 1402 sights; and that
the college shall give for its military equipment
a corporate bond and insure all military
property in some reliable Surety Co and to au-
thorize the Acting President to procure and give such bond.
The resignations of Profs. Hall and Bab-
son to take effect July 1 sept. were presented
and it was voted to recommend to the
full board the acceptance of both resigna-
tions and that the Acting President express
to both these gentlemen the regretting
the members of their departure.
Voted to allow Pres.-elect Butterfield to live
in the village after assuming office if he
shall so choose.
After some consideration it was voted that
the question of the selection of men to take
the positions made vacant by the resignation
of Profs. Hall and Babson be laid upon
the table; but it was later voted to au-
thorize the engagement of Clarence E. Gor-

dent to succeed Prof. Hall at a salary
not to exceed $1000. per year if his selection
meets the approval of the Sec. Pres. and
Fernald.

Voted by the Committee to recommend the
the College reimburse Pres. elect Butterfield for
expenses of attending meetings of Committee
of the Board of Trustees or of the full Board
and expenses of attending the two alumni
dinners (Boston & Springfield)

Voted to make the Acting President and Pres-
ident-elect Butterfield a Committee to ar-
range for inaugural exercises for the
latter some time early in the fall.

Wm. C. Brooks, Secy.

Meeting of Experiment Station Committee, Amherst, March 23d. 1906. Present Mess. Preston, Ellsworth, Brooks, Draper & Brooks. Prof. Goessmann, Lindsey, Stone, Waugh & H. T. Fernald were present and gave some account of work during the past year and plans for the future. After their retirement the following appropriation for the quarter ending June 30. was voted

Division

Agriculture	$1300.
Vegetable Pathology	795.
Chemical – Fertilizer	1308.
" – Foods & Feeding	1425.
Entomological	550.
Meteorological	200.

The whole matter of experiments with asparagus was concerned, the making of a contract for the establishment of a Sub station in Concord with the U. S. Dept. of Agriculture and of undertaking experiments with cranberries was left in the hands of the Director by vote of the committee.

Wm. P. Brooks, Clerk.

Meeting of Building Committee, Boston, Ap
12th. 1906. Present, Messrs. Draper, Wm. Wheler, Dr
rison, Brooks & Bowditch & Brooks of the comm
tee and Mess. Ellsworth & Ellis. After general d
cussion it was voted that Messrs. Brooks
Ellis and Brooks be a committee to confe
with Mr. Edward Burnett and get plans fo
him for farm buildings; barn and cow sta
dairy and piggery, within the amount
appropriation and insurance balance —
vailable. ($25300. & $2000.)

Voted that the architects, Cooper and B
ley be instructed to prepare detailed plans
specifications for a Botanical building tha
can be erected within the amount of the
appropriation made by the legislature ($4
000.)

Adjourned

Wm. P. Brooks, Clerk

Meeting of Building Committee Amherst, May

Mesrs Cooper of Cooper & Bailey, Boston and Burnett & Hopkins were present and presented plans for the botanical building, new barn and dairy. There were present of the Committee Mssr. Draper, Brown, & Brodhead & Act. Pres. Butler, After discussion and criticism followed by some suggested changes the plans were adopted, the architects instructed to prepare duplicate blue prints and specifications, to be kept for reference respectively in Amherst, Hatch Exp. Station office, Worcester and Boston: & to advertise for bids to be in by June 6th. at 12 M.

It was voted to authorize Prof. Brooks to have the foundations work put into condition to build upon.

The proposed site for the building for the botanical department were viewed and the location practically fixed

Meeting of Building Committee, Worc
June 6th. Present, Draper, Bowditch & Barker. Also
consultation but taking no other part, Mr. Cooper
Cooper & Bailey, Dr. Geo. E. Stone and a part of
time one of the Allen Bros. The bids received f
the new buildings were opened and were as f
lows: On the Hay Barn, Cow Barn and Farm Dairy
from Allen Bros. of Amherst $28750.
Geo. E. Bosworth, " 25785.8
18" drain $1. per foot & to be finished Nov. 20
On the Botanical Building: —
Allen Bros. of Amherst $50464.
H. B. Cummings Co., Ware 47862.
" if Terra Cotta $800. less.
E. K. George, Groveland 51250.
A. Faber & Son & Co, Framingham 45974.
All bids were accompanied by the required ch
It was learned that the bid of Allen Bros. in
cluded certain furniture which other bid
had not included.
Voted: 1. To award the contract for barn
and dairy to Geo. E. Bosworth for $25,78
the buildings to be finished by Nov. 20th.

That James E. Draper be authorized to sign a contract with Geo. E. Bennett for the erection of the farm buildings.

That the contract for the building for the botanical department be awarded to Allen Bros. of Ashland for the sum of $39352, with specifications as modified by the building committee on consultation with Mr. Cooper, the architect, as per typewritten list hereto appended.

That James F. Draper be authorized to sign a contract with Allen Bros for the building on the lines of the revised specification.

To authorize an additional sum not to exceed $2000. beyond the $39352, above to cover heating pipes, radiators and other fixtures for heating within the building in accordance with the plans of the architects, Cooper & Bailey.

That Mr. Bennett be required to furnish bond in the sum of $3000. and the Mess. Allen Bros. in the sum of $5000.

That Mr. N. Wallace be directed to proceed with the extension of the pipes for steam from the nearest point to the new botanical building un-

der the supervision of the president -
Wm. P. Brooks, Clerk.

Clark Hall -

CHANGES IN SPECIFICATIONS AUTHORIZED.

Grading out -	$ 695.
Granite walls: use large blocks in place of small - -	175.
Plaster: substitute N. E. pulp for kind specified - -	700.
Electrical clock and fixtures out - - - - - - - - - - -	300.
Plumbing: change to standard in place of specified fixtures -	500.
Rolling shades out - - - - - - - - - - - - - - - - - - -	350.
Tables and other furniture out - - - - - - - - - - - - -	2000.
Balconies out -	1000.
Granolithic floor in basement out - - - - - - - - - - -	450.
Monolithic floor first and second stories out - - - -	1085.
Substitute spruce for short hard pine joists in third story -	50.
Terra Cotta in first sill course out - - - - - - - - -	265.
Concrete footing out - - - - - - - - - - - - - - - - - -	300.
Dry drain out -	75.
Cellar drain out -	50.
Tile in vestibules out - - - - - - - - - - - - - - - - -	52.
Panel in vestibules out - - - - - - - - - - - - - - - -	200.
Allowance for elevator out - - - - - - - - - - - - - - -	125.
Reduction in grade of hardware - - - - - - - - - - - - -	100.
Substitute Pennsylvania for Maine slate - - - - - - - -	145.
Substitute plate for leaded glass - - - - - - - - - - -	50.
Substitute duck for copper roofing - - - - - - - - - -	288.
Call bells and telephone out - - - - - - - - - - - - - -	150.
Terra Cotta for first story windows out - - - - - - - -	350.
Granite steps and Terra Cotta hood to green-house door out -	250.
Substitute concrete for capstone specified for chimneys	75.
Terra Cotta filling between brackets and cornice out	300.
Copper filling between brackets out and yellow pine substituted -	350.
Substitute brick for Terra Cotta in door architraves -	100.
Cornice molding out - - - - - - - - - - - - - - - - - - -	582.
Total reductions -	$11112.

Meeting of Committee on Course of Study and Faculty, Durham, June 18th. Present Wheeler, Bowker, Dickinson, Hoare & Brooks: also Pres. elect Butterfield

After some discussion in each case the following votes were passed

1. To recommend to the full board the election of Clarence E. Gordon as Assistant Professor of Zoology at a salary of $1000. from July 1st. 1906.
2. To recommend to the full board of Trustees the election of Sidney B. Haskell as Instructor in Agriculture with annual salary of $1000. from July 1st.
3. To recommend that the salary of Instructor Damon be increased to $1000. from July 1st.
4. To recommend to the full Board that Maurice A. Blake beginning with July 1st. have an annual salary of $1100; $500 to come from College funds and $600. from the funds of the Horticultural Department.
5. To recommend to the full Board that Mr. George N. Holcomb teach History in addition to Economics for next year and that his salary be $1500.

BUDGET.

July 1, -- Dec. 31, 1906.

Income.		Appropriations.	
United States	$8,333.33	Farm bills approved, not paid	$1,000.
State		Salaries for June	3,000.
Maintenance	2,500.		
Scholarship	7,500.	Borrowed of Hatch Expt. Station	1,000.
Instruction	6,500.		
Endowment	5,306.66	Salaries	19,488.30
Heating plant	250.		
Dining hall	250.	Farm	1,250.
Estimates		Horticultural	1,250.
Rents	1,500.		
Heating & Lighting	1,000.	Heating & Lighting	
		Labor	750.
		Equipment	200.
		Incidentals	200.
		Fuel	2,000.
		Expense	
		Labor	250.
		Apparatus (Mathematical Dept.)	250.
		Agricultural Laboratory	300.
		Wilder Hall	150.
		Incidentals	500.
		Advertising	200.
		Library	700.
	$33,139.99		$32,488.30

10. The question of an assistant in the mathematical department was tabled.

11 The question of a change in the time of inspection of rooms from Saturday to Sunday morning was referred to the President and Faculty

12 The proposal to increase Prof. Corley's salary $200. was referred to the full board.

13 Action on Capt. Martin's recommendation that $200. be appropriated for the purpose of paying salaries to the officers of the battalion was postponed.

14. The question of retaining Barnum who for the past year has held a fellowship in Chemistry at $400. per year at an advance of $200. was referred to the President and Prof. Brooks in conference with Dr. Wellington.

15 That the President and Prof. Brooks continue the search for a suitable man or men for English and German.

Meeting of Committee on the Experiment S
partment, Durham, June 19th. 1906.

Present Preston, Draper, Bowker and Bro
Voted to transfer all salaries from the se
al division to a general salary accoun
. Voted to appropriate the sum of $5150. f
salaries for the next ensuing quarter, the
sum carrying the following increases over sa
ries now paid: - to E. B. Holland, $100.; to N.
Menahan, $120.; to E. H. Proulx, $ 80.; to E. T. Ladd,
and a total of $800. for an assistant in the
Horticultural Division.

Voted the following sums to the several di
vision: -

Agricultural	$625.
Vegetable Pathology	350.
Chemical: Fertilizer	
" , Feed & Feeding	50.
Horticultural	375.
Entomological	275.
Meteorological	75.
	$1750.

Voted to establish a Veterinary divisi

with Dr. J. B. Paige in charge at an annual salary of $500. from the Exp. Station.

Voted the following Extraordinary Appropriations:

General Repairs, Chemical Laboratory	$215.
Fence at Health Barn	35.
Slating Roofs, " "	305.
Painting Ext. Exper. Sta. Bldgs.	313.68
Changes in Administration Bldg	125.00
Reed, Nitrogen Determination, Chem. (Fert)	250.00
Polariscope	265.00
Total	1403.68

Wm. P. Brooks, Clerk.